
General information

Hospitality and health care personnel use Background Terminal (BGD) to enter, retrieve, and modify data associated with the following features:

- Automatic Wake Up (AWU)
- Room Status (RMS)
- Message Registration (MR)
- Call Party Name Display (CPND)

BGD helps monitor system operations by providing a visual display of information changes, hard copy backup, and traffic statistics.

The BGD package (package 99) must be equipped on the system load. Package 99 requires that the Controlled Class of Service (CCOS) package (package 81) and one or more of the following packages be equipped. Your application may require some additional feature packages. Refer to *X11 features and services* for complete package requirements.

- AWU (package 102)
- RMS (package 100)
- MR (package 101)
- Property Management Systems Interface (PMSI) (package 103)
- Maid ID (package 210)
- Hospitality Screen Enhancement (HSE) (package 208)

You can use the Background Terminal (BGD) to

- Display message queue size. In response to customer requests, the system displays messages that reflect event changes for rooms associated with Automatic Wake Up, Message Registration, or Room Status. The queue size ranges from 20 to 255 messages and is defined in the system Configuration Record (LD 17). The default value is 20 messages, and the message length is six words.

The messages are collected for customers who have Display Terminals. The actual messages are output only to the BGD that has been defined as a Display Terminal.

- Define name strings associated with Room Directory Numbers (DNs), and to print these names for specified rooms.
- Provide Call Number Information Messages (CNIMs) that provide calling and called DN information to BGD ports. This facilitates the automatic display of guest names or other DN-related information.
- Generate traffic reports. Wake Up and display message statistics are accumulated daily starting at midnight and stored in the system for a maximum of two days. When a Print Traffic command is issued, the report for the day is printed.

Terminal setup and configuration

A Background Terminal (BGD) is connected to the system through a Serial Data Interface (SDI) port. Any ASCII serial terminal conforming to RS232-C or CCITT V. 24 standards can be used as a terminal device.

A maximum of 16 SDI ports can be configured for system options N, NT, RT, XN, XT, 51, 51C, 61, 61C, 71, 81, and 81C. A maximum of eight SDI ports can be configured for system options S, ST, STE, MS, 21, and 21E.

SDI ports configured for the following features cannot be used as BGDs:

- Automatic Call Distribution Package C (ACD-C) Load Management/Report Printer Terminal
- Auxiliary Processor Link-Integrated Messaging System/Integrated Voice Messaging System (APL-IMS/IVMS) Link
- CDR Tape Link
- Automatic Call Distribution Package D (ACD-D) Link
- Command Status Link (CSL)
- Property Management System Interface (PMSI)

The terminal type used as a Background Terminal (BGD) may be an ASCII serial terminal conforming to EIA standard RS-232-C or CCITT specification V.24.

To configure the BGD terminals, enter the following parameters in LD 17. Also, refer to the excerpt of LD 17 in [Table 1](#).

A BGD can interact only with the rooms associated with a specified customer. Therefore, when configuring a BGD, you must specify which customer is associated with each BGD. If you define a physical SDI port with a two-character alphanumeric identifier, the tasks performed by the BGD will be assigned to it. If none are defined, the BGD can perform all functions associated with Automatic Wake Up, Message Registration, Room Status, and Call Party Name Display.

Background display message queue size The number of entries in the queue can be set from 20 to 255. The default is 20 entries. Enter YES to the prompt PARM and the number of entries to the prompt NDIS. Queue size changes will take effect only after the next initialization.

Device type and address A teletype (TTY) or video display terminal (VDT) device is defined for Background Terminal (BGD) input/output. Each device is assigned a physical device address (SDI port) ranging from 0 to 15. Enter TTY xx to the prompt ADAN, where xx is the device address. The number of devices supported depends on the system type (16 for NT, XT, 51, 51C, 61, 61C, 71, 81, and 81C systems, and 8 for ST, STE, RT, 21, and 21E systems).

Output use To define a TTY device as a Background Terminal, reply BGD to the prompt USER. In response to the prompt CUST, provide the customer (0–99) to whom the BGD will be assigned. Terminals may also be allowed access to the overlay mode. However, the Background and overlay features will interact at terminals designated to operate in this dual mode by displaying each other's messages. In addition, the BGD can only be used for data input or retrieval in the mode for which it is accessed.

Tables 1 and 2 contain excerpts from LD 17. Refer to *X11 Software input/output guide* for complete details.

Note: **Table 1** shows LD 17 for X11 Release 17 and earlier. **Table 2** shows LD 17 for X11 Release 18 and later.

Table 1
Background Terminal (BGD) configuration (LD 17) (X11 Release 17 and earlier)

Prompt	Response	Comment
REQ	CHG	Modify existing data.
TYPE	CFN	Configuration data block.
PWD2	xxxx	Level 2 password.
PARM	YES	Change the system parameters.
NDIS	xxx	0, (20)-255 = Number of display messages in queue for the BGD. <i>This prompt appears ONLY IF the system has BGD facilities enabled.</i>
IOTB	(NO) YES	Changes are (not) to be made to logical units.
ADAN	aaa TTY xx	Action, device, and port number aaa = NEW, CHG, OUT xx = port number (0-15)
CDNO	xx	SDI card number (0-15).
DENS	SDEN DDEN 4DEN	Single, double, or quad ports on SDI card.
USER	BGD	Use this port for the BGD. BGD terminals cannot be shared with ACD, APL, CDL, CMC, CSL, HSL, or LSL.
	XBGD	Remove Background Terminal.
CUST	xx	Customer number.

Table 2**Background Terminal (BGD) configuration (LD 17) (X11 Release 18 and later)**

Prompt	Response	Comment
REQ	CHG	Modify existing data.
TYPE	CFN	Configuration data block.
ADAN	NEW, CHG, MOV, OUT TTY, PRT 0-15	Add, change, move, or remove an I/O device, type aaa, port x.
CTYP	aaaa	Card type.
	DCHI	Asynch port (even) on DCHI card.
	MSPS	Misc/SDI/Peripheral Signaling card.
	SDI	Single port SDI card.
	SDI2	Dual port SDI card.
	SDI4	Four port SDI card.
	XSDI	SDI paddle board.
GRP	0-4	Network group number for option 81 systems.
DNUM	0-15	Device number (same as ADAN number).
USER	BGD	Background Terminal interface.
CUST	xx	Customer number.
ADAN	<CR>, ****	Go to next prompt or exit overlay.

Maintenance

LD 37 is used to diagnose faults with disk units, tape units, teletype (TTY), or Serial Data Interface (SDI) cards. It provides enable, disable, status, and test functions on these devices. Problems are indicated in Input/Output Diagnostic (IOD) messages.

Use the following commands from LD 37, listed in [Table 3](#), to test and maintain BGDs. Refer to *X11 Software input/output guide* for complete details.

Table 3
Maintenance commands (LD 37)

Command	Purpose
TTY x	Test TTY x. This sends a string of characters (ABC) followed by "READY FOR INPUT" to the terminal. Anything entered on the keyboard will be echoed until END is entered.
STAT TTY x	Provides the status of TTY x (port nn).
ENL TTY x	Enables TTY x (port nn).
DIS TTY x	Disables TTY x (port nn).

After configuring the BGDs for the customer, define the terminal function.

- Control
These terminals enter, change, and retrieve data for the Automatic Wake Up (AWU), Message Registration (MR), Call Party Name Display (CPND), and Room Status (RMS) databases. They can also change options and control settings.
- Read Only
These terminals display information only. They cannot enter or change any parameters for the associated features.
- Print
These terminals are usually printers, for automatic printing of AWU, MR, and RMS reports at a specified time.
- Display
These terminals are usually input/output devices that record changes to AWU, MR, and RMS on an ongoing basis.